

SECTION I—CLAIMS

Amendment to the Claims:

This listing of the claims will replace all prior versions and listings of claims in the application. Claims 1, 12, 19, 30, and 36-40 are amended herein. Claims 11 and 29 are canceled herein without prejudice. No new claims are added. Claims 1-10, 12-28, and 30-40 remain pending in the application.

Listing of Claims:

1. (Currently amended) A method comprising:

accessing a first logical port defining a first configuration of a service endpoint interface, the first

logical port comprising an abstraction of an underlying port associated with the service endpoint interface;

selecting an item of configuration information in the accessed first logical port to configure

access to one or more operations of the service endpoint interface via the first logical port, the item of configuration information to set one or more of an HTTP proxy, user authentication information, and protocol configuration;

providing a value for the selected item of configuration information to define, at least in part, the

first configuration of the service endpoint interface; ~~and~~

providing access to the one or more operations of the service endpoint interface based on the

item of configuration information and the value for the selected item of configuration information defined;

accessing a second logical port defining a second configuration of the service endpoint interface;

selecting a second item of configuration information in the accessed second logical port; and
providing a value for the selected second item of configuration information to define, at least in
part, the second configuration of the service endpoint interface.

2. (Original) The method of claim 1, wherein providing the value for the selected item of configuration information comprises:

providing a HyperText Transfer Protocol (HTTP) proxy address for the first configuration of the service endpoint interface.

3. (Original) The method of claim 1, wherein providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

providing an access address for the first configuration of the service endpoint interface.

4. (Original) The method of claim 3, wherein providing the access address for the first configuration of the service endpoint interface comprises:

providing a Uniform Resource Locator (URL) for the first configuration of the service endpoint interface.

5. (Original) The method of claim 1, wherein providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

specifying an authentication type for the first configuration of the service endpoint interface.

6. (Original) The method of claim 5, wherein specifying the authentication type for the first configuration of the service endpoint interface comprises:

specifying the use of client certificates for the first configuration of the service endpoint interface.

7. (Original) The method of claim 1, wherein providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

specifying a transport guarantee for the first configuration of the service endpoint interface.

8. (Original) The method of claim 7, wherein specifying the transport guarantee for the first configuration of the service endpoint interface comprises:

specifying an encryption type for the first configuration of the service endpoint interface.

9. (Original) The method of claim 8, wherein the specified encryption type is a Secure Socket Layer protocol based encryption type.

10. (Original) The method of claim 10, wherein providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

specifying a name for the first configuration of the service endpoint interface.

11. (Canceled).

12. (Currently amended) An application server comprising:

a Web service client having a service endpoint interface to expose a Web service method to a client application; and

a processor and logic executable thereon to:

access a first logical port defining a first configuration of the service endpoint interface,

the first logical port comprising an abstraction of an underlying port associated with the service endpoint interface,

select an item of configuration information in the accessed first logical port to configure

access to one or more operations of the service endpoint interface via the first

logical port, the item of configuration information to set one or more of an HTTP proxy, user authentication information, and protocol configuration,
provide a value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface; and wherein the processor and logic to further:
~~provide configuration information based on one or more of an HTTP proxy, user authentication information, and protocol configuration for the accessed first logical port to define, at least in part, the first configuration of the service endpoint interface, and~~
~~provide access to one or more operations of the service endpoint interface based on the first configuration of the service endpoint interface~~
access a second logical port defining a second configuration of the service endpoint interface,
select a second item of configuration information in the accessed second logical port, and
provide a value for the selected second item of configuration information to define, at least in part, the second configuration of the service endpoint interface.

13. (Original) The application server of claim 12, wherein the processor and logic executable thereon to provide configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a processor and logic executable thereon to provide a HyperText Transfer Protocol (HTTP) proxy address for the first configuration of the service endpoint interface.

14. (Original) The application server of claim 12, wherein the processor and logic executable

thereon to provide configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a processor and logic executable thereon to provide an access address for the first configuration of the service endpoint interface.

15. (Original) The application server of claim 12, wherein the processor and logic executable thereon to provide the access address for the first configuration of the service endpoint interface comprises:

a processor and logic executable thereon to provide a Uniform Resource Locator (URL) for the first configuration of the service endpoint interface.

16. (Original) The application server of claim 12, wherein the processor and logic executable thereon to provide configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a processor and logic executable thereon to specify an authentication type for the first configuration of the service endpoint interface.

17. (Original) The application server of claim 12, wherein the processor and logic executable thereon to provide configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a processor and logic executable thereon to specify a transport guarantee for the first configuration of the service endpoint interface.

18. (Original) The application server of claim 12, wherein the processor and logic executable thereon to provide configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a processor and logic executable thereon to specify a name for the first configuration of the

service endpoint interface.

19. (Currently amended) A Web service client comprising:

a service endpoint interface to expose a Web service method to a client application; ~~and~~

a logical port implemented between the client application and the service endpoint interface to

define a first configuration of the service endpoint interface, the logical port comprising

an abstraction of an underlying port associated with the service endpoint interface,

wherein the logical port to provide one or more of an HTTP proxy, user authentication

information, and protocol configuration to set the first configuration; and

a second logical port implemented between the client application and the service endpoint

interface to define a second configuration of the service endpoint interface.

20. (Original) The Web service client of claim 19, wherein the logical port specifies an

HyperText Transfer Protocol (HTTP) proxy for the first configuration of the service endpoint interface.

21. (Original) The Web service client of claim 19, wherein the logical port specifies an access

address for the first configuration of the service endpoint interface.

22. (Original) The Web service client of claim 21, wherein the specified access address is a

Uniform Resource Locator (URL) for the first configuration of the service endpoint interface.

23. (Original) The Web service client of claim 19, wherein the logical port specifies an

authentication type for the first configuration of the service endpoint interface.

24. (Original) The Web service client of claim 23, wherein the specified authentication type is a

certificate based authentication type.

25. (Original) The Web service client of claim 19, wherein the logical port specifies a name for

the first configuration of the service endpoint interface.

26. (Original) The Web service client of claim 19, wherein the logical port specifies a transport layer security protocol to be implemented for the first configuration of the service endpoint interface.

27. (Original) The Web service client of claim 26, wherein the specified transport layer security protocol is based on a Secure Socket Layer protocol.

28. (Original) The Web service client of claim 19, wherein the Web service method is based, at least in part, on a Web Service Description Language (WSDL) PortType as specified in a WSDL document describing the Web service method.

29. (Canceled).

30. (Currently amended) A system comprising:

a means for accessing a first logical port defining a first configuration of a service endpoint interface, the first logical port comprising an abstraction of an underlying port associated with the service endpoint interface;

a means for selecting an item of configuration information in the accessed first logical port to configure access to one or more operations of the service endpoint interface via the first logical port, the item of configuration information to set one or more of an HTTP proxy, user authentication information, and protocol configuration;

a means for providing a value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface; ~~and~~

a means for providing access to the one or more operations of the service endpoint interface based on the item of configuration information and the value for the selected item of configuration information defined;

a means for accessing a second logical port defining a second configuration of the service endpoint interface;

a means for selecting a second item of configuration information in the accessed second logical port; and

a means for providing a value for the selected second item of configuration information to define, at least in part, the second configuration of the service endpoint interface.

31. (Original) The system of claim 30, wherein the means for providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a means for providing a HyperText Transfer Protocol (HTTP) proxy address for the first configuration of the service endpoint interface.

32. (Original) The system of claim 30, wherein the means for providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a means for providing an access address for the first configuration of the service endpoint interface.

33. (Original) The system of claim 30, wherein the means for providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a means for providing a name for the first configuration of the service endpoint interface.

34. (Original) The system of claim 30, wherein the means for providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a means for providing an authentication type for the first configuration of the service endpoint interface.

35. (Original) The system of claim 30, wherein the means for providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:

a means for specifying a transport guarantee for the first configuration of the service endpoint interface.

36. (Currently amended) A system readable storage medium having ~~An article of manufacture comprising: a computer accessible medium providing~~ instructions that, when executed by an apparatus, cause the apparatus to perform a method comprising:

~~access a first logical port defining a first configuration of a service endpoint interface, the first logical port comprising an abstraction of an underlying port associated with the service endpoint interface;~~

~~provide configuration information based on one or more of an HTTP proxy, user authentication information, and protocol configuration to define, at least in part, the first configuration of the service endpoint interface; and~~

~~provide access to one or more operations of the service endpoint interface based on the configuration information.~~

accessing a first logical port defining a first configuration of a service endpoint interface, the first logical port comprising an abstraction of an underlying port associated with the service endpoint interface;

selecting an item of configuration information in the accessed first logical port to configure access to one or more operations of the service endpoint interface via the first logical

port, the item of configuration information to set one or more of an HTTP proxy, user authentication information, and protocol configuration;
providing a value for the selected item of configuration information to define, at least in part, the
first configuration of the service endpoint interface; and
providing access to the one or more operations of the service endpoint interface based on the
item of configuration information and the value for the selected item of configuration
information defined;
accessing a second logical port defining a second configuration of the service endpoint interface;
selecting a second item of configuration information in the accessed second logical port; and
providing a value for the selected second item of configuration information to define, at least in
part, the second configuration of the service endpoint interface.

37. (Currently amended) The system readable storage medium ~~article of manufacture~~ of claim 36, wherein providing the value for the selected item of configuration information comprises:

~~the instructions that, when executed by the apparatus, cause the apparatus to provide~~
~~configuration information to define, at least in part, the first configuration of the service~~
~~endpoint interface include instructions that cause the apparatus to~~
providing provide a HyperText Transfer Protocol (HTTP) proxy address for the first configuration of the service endpoint interface.

38. (Currently amended) The system readable storage medium ~~article of manufacture~~ of claim 36, wherein providing the value for the selected item of configuration information to
define, at least in part, the first configuration of the service endpoint interface comprises:

~~the instructions that, when executed by the apparatus, cause the apparatus to provide~~

~~configuration information to define, at least in part, the first configuration of the service endpoint interface include instructions that cause the apparatus to~~
~~providing provide~~ an access address for the first configuration of the service endpoint interface.

39. (Currently amended) The system readable storage medium article of manufacture of claim 36, wherein providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:
~~the instructions that, when executed by the apparatus, cause the apparatus to provide~~
~~configuration information to define, at least in part, the first configuration of the service endpoint interface include instructions that cause the apparatus to~~
specifying specify a transport guarantee for the first configuration of the service endpoint interface.

40. (Currently amended) The system readable storage medium article of manufacture of claim 36, wherein providing the value for the selected item of configuration information to define, at least in part, the first configuration of the service endpoint interface comprises:
~~the instructions that, when executed by the apparatus, cause the apparatus to provide~~
~~configuration information to define, at least in part, the first configuration of the service endpoint interface include instructions that cause the apparatus to~~
specifying specify an authentication type for the first configuration of the service endpoint interface.